

## ABSTRACT

The invention provides a battery with improved battery characteristics such as cycle characteristic and storage characteristic. The battery has a rolled electrode body by rolling a cathode and an anode sandwiching a separator in between. The capacity of the anode is expressed by the sum of a capacity component obtained by insertion and extraction of lithium and a capacity component obtained by deposition and dissolution of lithium. The separator is impregnated with an electrolyte solution obtained by dissolving a lithium salt in a solvent. A compound having a B-O bond or P-O bond such as lithium bis [1, 2-benzenediolato (2-)-O, O'] borate or lithium tris [1, 2-benzenediolato (2-)-O, O'] phosphate is used as a lithium salt. Thus, the formation of a stable film can suppress the decomposition reaction of the solvent and can also prevent the reaction of a deposited lithium metal with the solvent.